

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A process for producing a polyether polymer composition, characterized in that an antioxidant which is insoluble in an organic solvent selected from the group consisting of chain-like saturated hydrocarbons, cyclopentane and cyclohexane, and a stabilizer which is soluble in the organic solvent are incorporated in a slurry comprising the organic solvent and a polyether polymer dispersed therein; and then, the organic solvent is removed from the slurry.

2. (Original) The process for producing a polyether polymer composition according to claim 1, wherein a solution of an antioxidant is incorporated in the slurry to prepare a slurry having the antioxidant dispersed therein.

3. (Original) The process for producing a polyether polymer composition according to claim 1, wherein the stabilizer is at least one kind of compound selected from the group consisting of cyclic amidine salts, hindered phenol compounds, phosphorous acid ester compounds, and fatty acids having at least 5 carbon atoms.

4. (Previously presented) The process for producing a polyether polymer composition according to claim 1, wherein the organic solvent in the slurry is a chain-like saturated hydrocarbon.

5. (Currently amended) A polyether polymer composition, prepared in a process wherein an antioxidant which is insoluble in an organic solvent selected from the group consisting of chain-like saturated hydrocarbons, cyclopentane and cyclohexane, and a stabilizer which is soluble in the organic solvent are incorporated in a slurry comprising the organic solvent and a polyether polymer dispersed therein; and then, the organic solvent is removed from the slurry.

6. (Currently amended) A polyether polymer composition comprising a polyether polymer particle, an antioxidant which is insoluble in an organic solvent incapable of dissolving

the polyether polymer particle therein selected from the group consisting of chain-like saturated hydrocarbons, cyclopentane and cyclohexane, and a stabilizer which is soluble in the organic solvent, characterized by satisfying at least one of the following three requirements:

- (1) at least 50% by weight of the total amount of the antioxidant in the composition is deposited on the surface of the polyether polymer particle,
- (2) the polyether polymer has a gel content of not larger than 5% by weight, and
- (3) at least 50% by weight of the total amount of the stabilizer in the composition exists within the polyether polymer particle.

7. (Currently amended) The polyether polymer composition according to claim 6, prepared in a process wherein an antioxidant which is insoluble in an organic solvent selected from the group consisting of chain-like saturated hydrocarbons, cyclopentane and cyclohexane, and a stabilizer which is soluble in the organic solvent are incorporated in a slurry comprising the organic solvent and a polyether polymer dispersed therein; and then, the organic solvent is removed from the slurry.

8. (Previously presented) The polyether polymer composition according to claim 5, wherein the stabilizer is at least one kind of compound selected from the group consisting of cyclic amidine salts, hindered phenol compounds, phosphorous acid ester compounds, and fatty acids having at least 5 carbon atoms.

9. (Canceled)

10. (Previously presented) The polyether polymer composition according to claim 6, wherein the stabilizer is at least one kind of compound selected from the group consisting of cyclic amidine salts, hindered phenol compounds, phosphorous acid ester compounds, and fatty acids having at least 5 carbon atoms.

11. (Previously presented) A solid electrolyte film comprised of the polyether polymer composition as described in claim 5, and an electrolyte salt compound which is soluble in the polyether polymer composition.

12. (Previously presented) A solid electrolyte film comprised of the polyether polymer composition as described in claim 6, and an electrolyte salt compound which is soluble in the polyether polymer composition.